SEMESTER EXAMINATION, DECEMBER, 2025

Course Name: - B.Tech **Semester:- 1st**

Paper Name: - Environmental Science **Paper Code:- NVA-103**

Time - 3Hrs + 20 minutes per hour extra time for V.I. & examinees with writer. **Max Marks-70**

समय–3 घण्टे+ 20 मिनट प्रति घंटे अतिरिक्त–दृष्टिबाधित एवं सहलेखक परीक्षार्थियों के लिए। अधिकतम अंक–70

Instructions:

- The question paper consists of three sections namely A, B, C. All sections are compulsory.
- Section A- Each question carries **3 mark. All questions are compulsory.**
- Section B- Answer any **5 out of 7** given questions. Each question carries **7 marks.**
- SectionC- Answer any **2 out of 3** given questions. Each question carries **10 marks.**

Section – A (खण्ड–अ)

Multiple Choice Questions (बहुविकल्पीय प्रश्न)

5x3 =15

1. Answer all the following questions.

i) The term ecosystem was first introduced by_

a) Norman Myers b) Earnest Haeckel

c) Sir Arthur G. Tansley d) Sukachev

ii) Endemic species are

a) Species localized in a specific region b) Cosmopolitan distribution

c) Rare species d) Critically endangered species

iii) Process of burning of non-biodegradable solid waste is called _____

a) Composting b) Incinerations

c) Segregation d) Sanitary land filling

iv) The Wild Life Protection Act was established in

a) 1952 b) 1970

c) 1980 d) 1972

v) The Chipko movement was originated in_____district of Uttarkhand.

a) Haridwar b) Chamoli

c) Champawat d) Dehradun

Section – B (खण्ड–ब)

Short Answer Questions (लघुउत्तरीय प्रश्न)

2. Answer any five of the following questions. 5x7=35

i) Classify the different types of natural resources.

ii) What are the compositions of soil and explain how the soil is formed?

iii) Write in brief the structure and functions of an Ecosystem.

iv) Write a note on any one: a) Project Tiger; and b) Project Elephant

v) Explain the term i) DO, ii) BOD and iii) COD.

vi) Discuss the 'Hotspots of biodiversity'.

vii) Write about ozone layer depletion.

Section - C (खण्ड–स)
Descriptive Questions(विवरणात्मकप्रश्न)

3. Answer any two of the following question. **2x10=20**

i) What do you understand by Biodiversity? What are the threats occurring on Biodiversity? Explain the conservation method of Biodiversity.

ii) What are the causes, effects and control measures of air pollution?

iii) Explain the Solid waste management process.

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